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(54) DIHALOPROPENE COMPOUND AND
INSECTICIDAL MITICIDE CONTAINING THE
COMPOUND AS ACTIVE COMPONENT

(57) Abstract:

PURPOSE: To provide a dihalopropene compound useful as an active component for insecticidal miticide.

CONSTITUTION: This dihalopropene compound is expressed by formula I [A is $R_1CH(R_{10})$ (R_1 is H, a halogen, etc.; R_{10} is H or an alkyl), etc.; R_2 , R_3 and R_4 are each H, a halogen, a 1-3C alkyl or trifluoromethyl; R_5 is H or a 1-3C alkyl; X is Cl or Br; Y is O, NH or S], e.g. 3-chloro-4-(4-chlorobenzylamino)-1-(3,3-dichloro-2-propenyloxy)benzene. The compound of formula I can be produced by reacting a compound of formula II with a halide compound of formula L-A (L is a halogen, mesyloxy or tosyloxy) in the presence of a base (e.g. sodium bicarbonate) in a solvent (e.g. water) at -5 to +100°C. The compound is effective for the control of pest insects of the order Hemiptera, Lepidoptera, Diptera and Coleoptera, mites, etc.

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